

EXIGO

The Additive Manufacturing Platform

PRODUCTION LINES



 coobx



8 LIFTcell 2



12 LIFTcell 8 & 12



16 examples



EXIGO

The Art of Additive Manufacturing

Get Productive

Introducing the LIFTcell series brings additive manufacturing to a new level of productivity.

Paired with our LIFT®-Technology the machines are ready for your success.

Having a fast, reliable printer is blessing and a curse. To get all out of the machine, it is necessary to keep them up and running. Already at the early engineering phase of the EXIGO printer we kept that facts in mind and realized some automation solutions tailored to your needs. We developed a range from a small pick and place solution for two machines up to the fully integrated process with up to twelve machines in one Industry 4.0 workflow.

LEARN
ABOUT
LIFTcell®

LIFT® stands for **L**ight **I**nitiated **F**abrication **T**echnology and is not only an expression. It combines many different features in one single machine to get a real production tool. Together with best available automation solutions an industrial workflow has been developed. The LIFTcell® was born.

Be different. Think further.

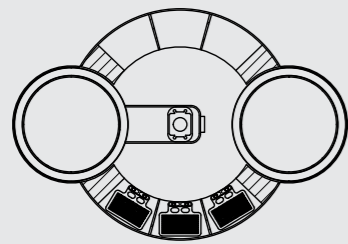
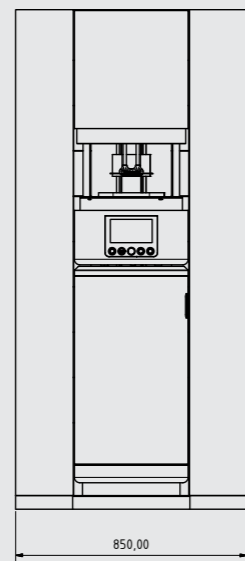
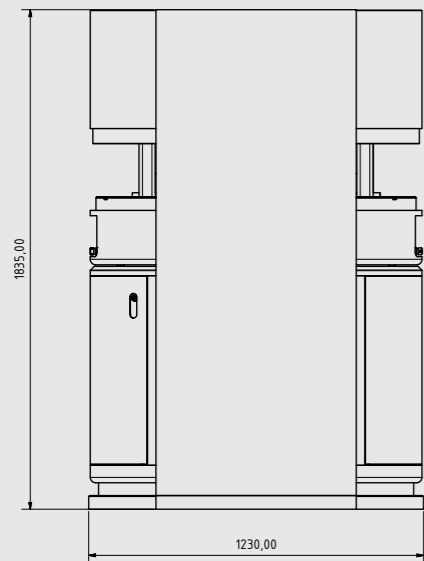
EASY AUTOMATION

LIFTcell 2



LIFTcell 2 - how to start Additive Production

The LIFTcell 2 has been specially designed for service providers, workshops and laboratories which want to get out the maximum of an EXIGO printer. It includes a full automatic Pick&Place for 60 build platforms. The system is designed for one or two machines on your choice. Post-Processing is done manually in the EXIGO Clean&Cure unit.



LIFTcell 2

Platform handling

Principle	linear axis
Number of platforms	60
Number of printers	1 - 2
Cycle time (min.)	40 sec

Fluid handling

Number of materials	2
Fluid capacity each material	10l
Filling logic	auto refill
Filling pump	2 x CIP Hose Pump

Post processing

Platform output	manual
Principle	EXIGO Clean&Cure
Operation	semi - manual
No of platforms in process	2 - 3

Interfaces / Steering

CPU	ARM based
Interfaces	TP, Ethernet, USB, WiFi
Secure Web Access	Yes
Printserver	Yes

Minimum footprint - maximum output

The LIFTcell 2 is ideally used for overnight and series production of smaller badges. With an average print cycle time of 30 minutes, the system can run up to 15 hours independent.



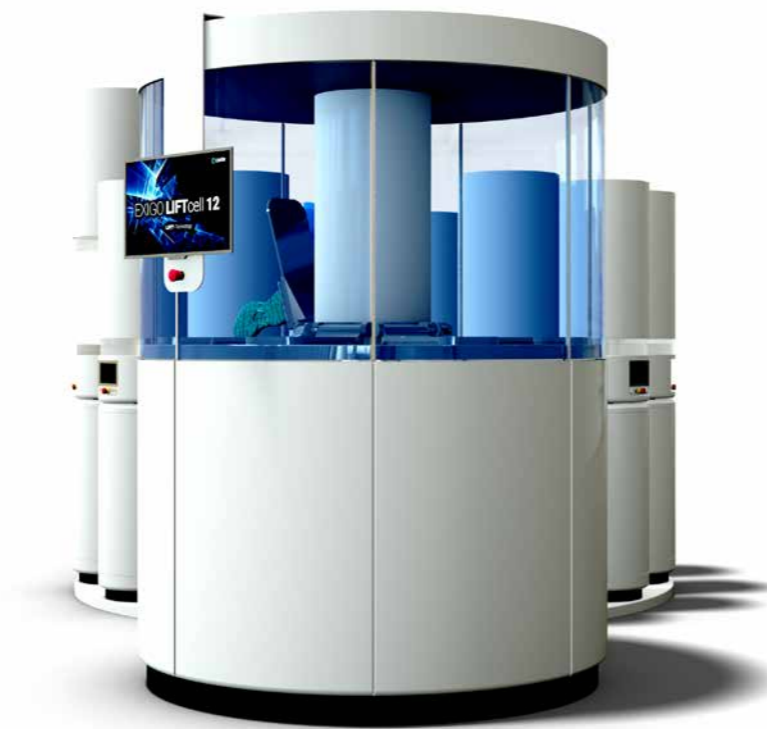
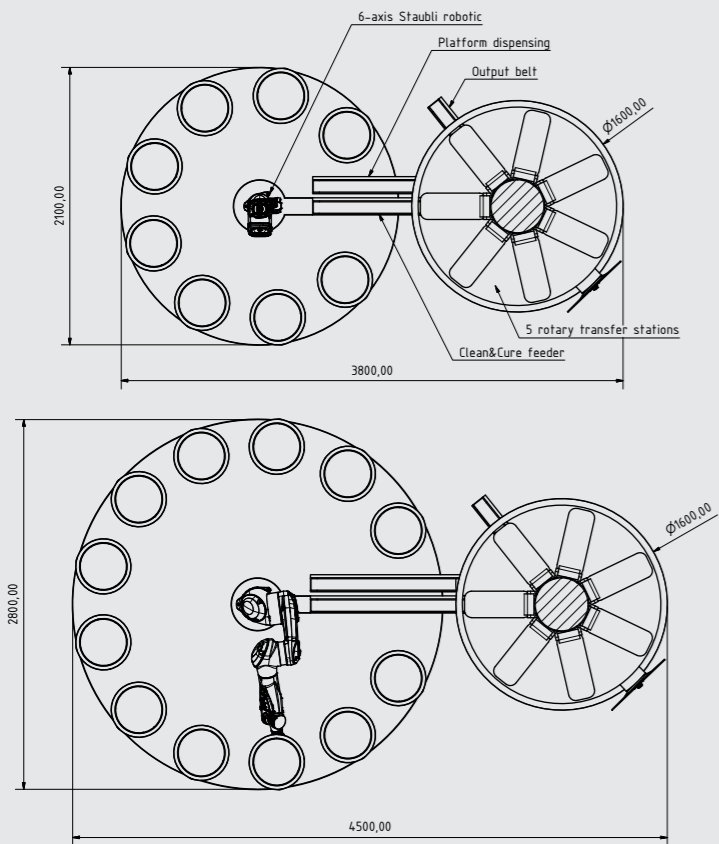
EXIGO Clean&Cure

HIGHEST PRODUCTIVITY **LIFTcell 8 & LIFTcell 12**



LIFTcell 8 & LIFTcell 12 - Additive Production for high quantity output

The LIFTcell 8 & LIFTcell 12 have been designed for full automatic series production. The inline rotary transfer Clean & Cure system allows to get highest output in class, with continuous reliability. Post processing steps will be chosen on your demand. Never has been Additive Production so near and easy to implement in your existing production processes.



Specs

	LIFTcell 8	LIFTcell 12	LIFTcell 8 & 12
Platform handling			
Principle	6-axis & linear	6-axis & linear	
Type of robotic	Staubli TX2-60L	Staubli TX2-90L	
Number of platforms	180	240	
Number of printers	4 - 8	8 - 12	
Cycle time (min.)	25 sec	25 sec	
Fluid handling			
Number of materials	4	6	
Fluid capacity each material	20l	20l	
Filling logic	auto refill	auto refill	
Filling pump	4 x CIP Hose Pump	6 x CIP Hose Pump	
Post processing			
Platform output			automatic
Principle			rotary transfer
Operation			automatic
No of platforms in process			7
Standard processing options			
Pulse Jet Precleaning (opt. resin recovery)			1
Ultrasonic Fine Cleaning			1
Wash & Dry			1
Inert Gas UV Curing (opt. tempering unit)			2
Interfaces / Steering			
CPU			Industrial PC
Interfaces			TP, Ethernet, USB, WiFi
Secure Web Access			Yes
Printserver			Yes

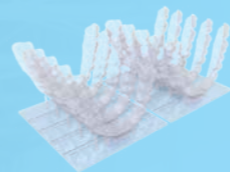
Integrate flexible Additive Production to your industry

The LIFTcell 8 & 12 is ideally used for heavy production in 24/7 plans. It is designed to run independently and needs only a minimum of maintenance. Running the same LIFTcell with up to 6 different materials at same time, makes it the on of the most flexible systems.

We calculate your process

If you are not sure, what an advantage the LIFTcell will bring you, or you are unsure about effective printing cycle times, just tune in and contact us! We'll calculate what size of machine would fit best your needs for a sustainable production process.

Our company has more than twenty years experience in machine tools and semiconductor business. We are working accordingly the ISO standards and are also approved to different automotive standard regulations. If you want to run an EXIGO in a high volume production environment or need a fully automated production line, be sure, we know what we are doing.



#1 Dental Aligner
Machine **LIFTcell 2**, printcycle time
30 mins, 2 shifts, 200 days
128'000 pces / year*



#2 Glasses Frame
Machine **LIFTcell 12**, 10 per
platform, printcycle time 60 mins, 2
shifts, 200 days
384'000 pces / year*



#3 Hearing Aid
housing
Machine **LIFTcell 8**, 32 per plat-
form, printcycle time 15 mins, 2
shifts, 200 days
3'276'800 pces / year*



#4 Tachometer
housing
Machine **LIFTcell 12**, 2 per plat-
form, printcycle time 30 mins, 2
shifts, 200 days
153'600 pces / year*

SOME POSSIBLE
PRODUCTION
QUANTITIES WITH
THE LIFTCELL
PLATFORM
TECHNOLOGY. **BE
DIFFERENT. THINK
FURTHER.**

* on optimising designs for Additive Production, quantities can be even more!



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